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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/054,513	11/13/2001	Michael Yeung	66329/07257	4770

23380 7590 05/31/2006

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EXAMINER

BLOUNT, STEVEN

ART UNIT	PAPER NUMBER
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2616

DATE MAILED: 05/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/054,513

Applicant(s)

YEUNG ET AL.

Examiner

Steven Blount

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 18 - 33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 18 - 33 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 18, 20 – 21, 25 – 26, 28 – 29, and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. patent 6931463 to Streimer in view of U.S. patent 6,842,460 to Olkkonen et al and U.S. patent 5,845,280 to Treadwell III et al.

Streimer teaches a system for wirelessly communicating documents to a printer in a client/server system utilizing Bluetooth as claimed. See col 5 lines 28+. Streimer does not however teach having the printer send a response packet (lines 9+ of claim 1) or terminating storage in data buffers upon receipt of a end of file request message (lines 16+ of claim 1).

Olkkonen et al teaches (well known) the use of a response packet in a Bluetooth system wherein said response packet is used to respond to an inquiry message. See fig 4 and col 2 lines 15+.

Treadwell III et al teach terminating storage in data buffers upon receipt of an end of file request message. See col 2 lines 35+, col 2 lines 65+, and col 10 lines 15+.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have provided Streimer with means for sending a response packet after receiving a request data packet in light of the teachings of Olkkonen et al in order to

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provide a more reliable connection, and it would have been further obvious to have provided Streimer/Olkkonen et al with means for terminating storage in data buffers upon receipt of an end of file request message, in light of the teachings of Treadwell III et al, in order to provide for an efficient means for flow control wherein data for new messages may be used to fill the buffers.

With regard to the following claims (hereinafter "CI"), note the following:

CI 20: phones are taught in col 5 line 38 of Streimer.

CI 21: note a printer is taught throughout Streimer.

CI 25: presence is detected as taught in col 5 lines 35+ of Streimer, and to detect so periodically would be obvious in view of the ad-hoc nature of the network.

CI 26: see the rejection of claim 21 where all of the claimed features are discussed.

CI 28 – 29, and 33: again, see the rejections above wherein all of the claimed features are discussed.

3. Claims 19, 22 – 24, 27, 30 – 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. patent 6931463 to Streimer in view of U.S. patent 6,842,460 to Olkkonen et al and U.S. patent 5,845,280 to Treadwell III et al as applied above to claims 18, 20 – 21, 25 – 26, 28 – 29, and 33, and further in view of U.S. Patent Application 20020138557 to Mukaiyama et al.

Streimer/Olkkonen et al and Treadwell III teach the invention as described above, but do not teach assigning a port to the document processor. The use of portal assignment, in a similar system, is taught in Mukaiyama et al. See member "PP".

It would have been obvious to one of ordinary skill in the art at the time of the invention to have assigned a port to the document processor of Streimer/Olkkonen et al and Treadwell III, in light of the teachings of Mukaiyama et al, in order to provide proper flow control of the data through the printer system.

CI 22: a URL is taught in par 218 of Mukaiyama et al.

CI 23: see the plurality of devices MP 11, MP 12, etc. in Mukaiyama et al.

CI 24: see numeral 150 in Mukaiyama et al.

CI 27, 30, 31, and 32: see the rejections above where all of the claimed limitations are discussed.

### ***Conclusion***

4. Applicants remarks are moot in view of the new grounds of rejection. The examiner notes the prior art patents cited in the PTO-892 teach the use of a printer in a wireless, client server network.

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any


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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Blount whose telephone number is 571-272-3071. The examiner can normally be reached on M-F 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Doris To, can be reached on 571-272-7269. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

 5/30/06  
KEVIN C. HARPER  
PATENT EXAMINER

SB  
  
5/21/06

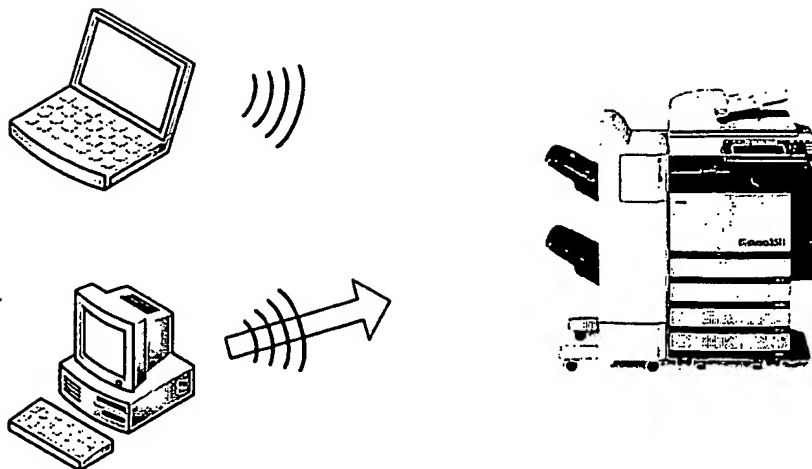


Figure 1

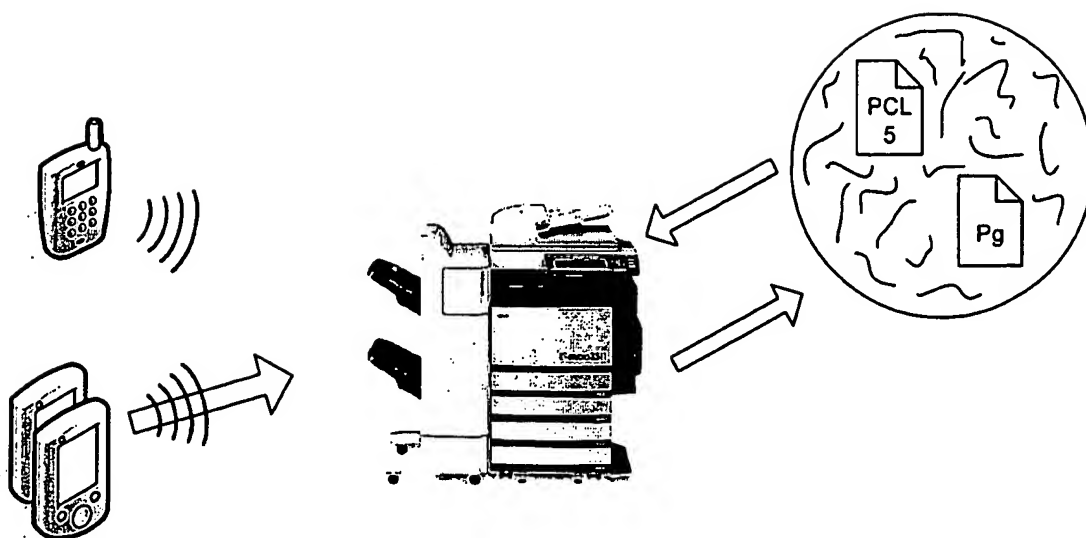


Figure 2

Drawn  
changes  
Approved  
SB 3/22/06

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